

chain nodes :
 21 22 23 24 25 26 27 28 29 30 32 33
 ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 chain bonds :
 1-8 2-24 3-26 4-32 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-33 19-29 20-28
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
 15-16 15-20 16-17 17-18 18-19 19-20
 exact/norm bonds :
 4-32 7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14 18-33
 exact bonds :
 1-8 2-24 3-26 5-25 6-23 14-15 16-27 17-30 19-29 20-28
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

G1:X,CH3,i-Bu,Et

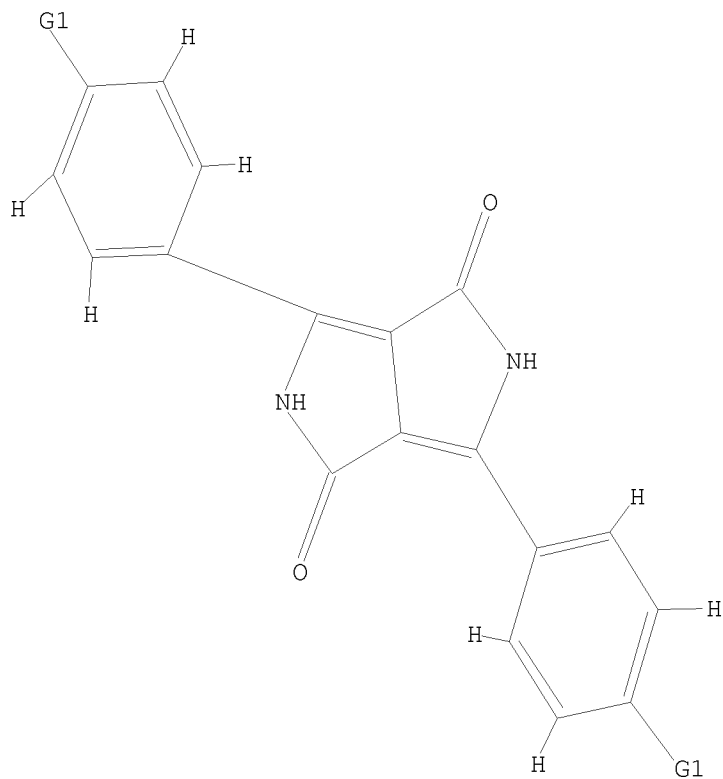
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 32:CLASS 33:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

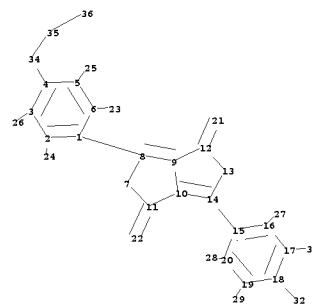
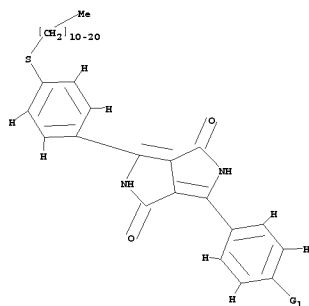
L1 STR



G1 X, Me, i-Bu, Et

Structure attributes must be viewed using STN Express query preparation.

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chain nodes :
 21 22 23 24 25 26 27 28 29 30 32 34 35 36
 ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 chain bonds :
 1-8 2-24 3-26 4-34 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-32 19-29 20-28
 34-35 35-36
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
 15-16 15-20 16-17 17-18 18-19 19-20
 exact/norm bonds :
 4-34 7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14 18-32
 exact bonds :
 1-8 2-24 3-26 5-25 6-23 14-15 16-27 17-30 19-29 20-28 34-35 35-36
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

G1:X,CH3,i-Bu,Et

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
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 32:CLASS 34:CLASS 35:CLASS 36:CLASS

L2 STRUCTURE UPLOADED

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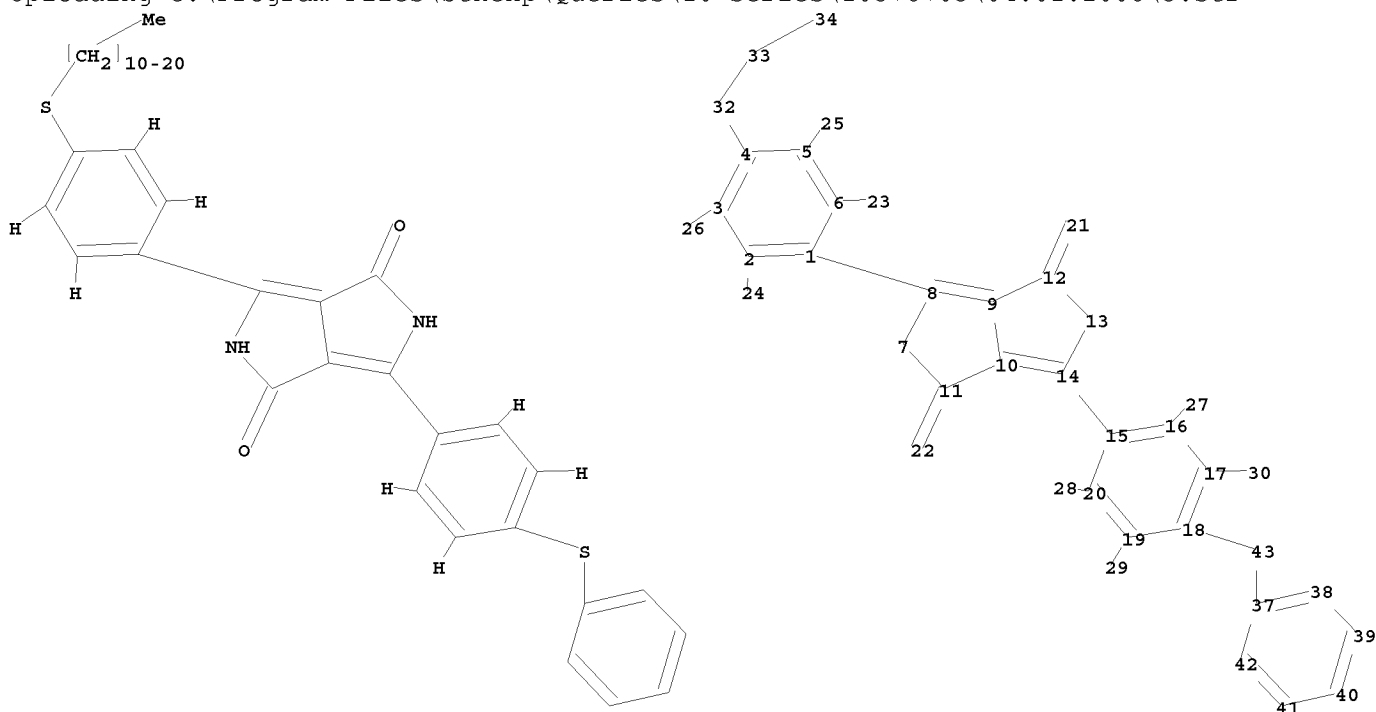
L2 HAS NO ANSWERS

L2 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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chain nodes :

21 22 23 24 25 26 27 28 29 30 32 33 34 43

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 37 38 39 40 41
42

chain bonds :

1-8 2-24 3-26 4-32 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-43 19-29 20-28
32-33 33-34 37-43

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20 37-42 37-38 38-39 39-40 40-41 41-42

2 APR 2008

10/576,703 - Compound Search Review

exact/norm bonds :

4-32 7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14 18-43 37-43

exact bonds :

1-8 2-24 3-26 5-25 6-23 14-15 16-27 17-30 19-29 20-28 32-33 33-34

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20 37-42 37-38
38-39 39-40 40-41 41-42

G1:X,CH3,i-Bu,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
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43:CLASS

L3 STRUCTURE UPLOADED

=> d

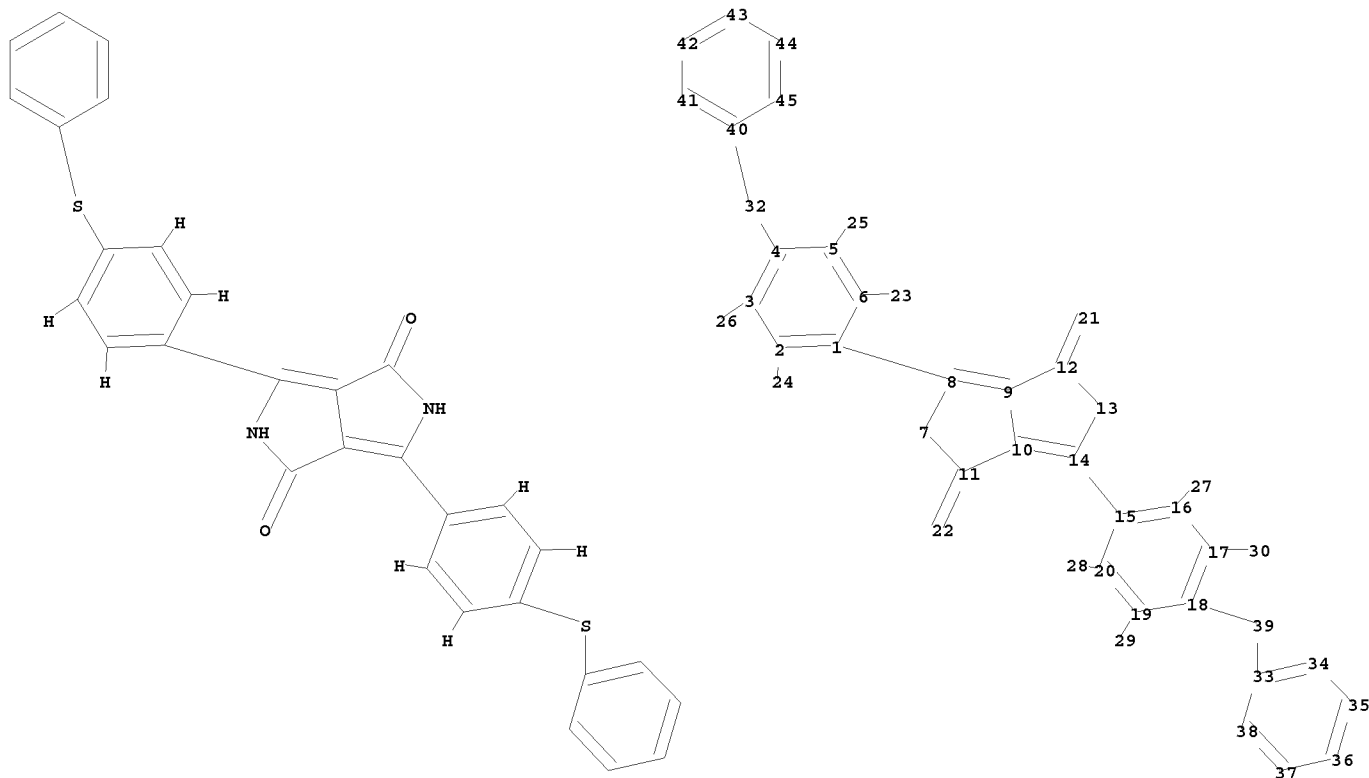
L3 HAS NO ANSWERS

L3 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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chain nodes :

21 22 23 24 25 26 27 28 29 30 32 39

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 33 34 35 36 37
38 40 41 42 43 44 45

chain bonds :

1-8 2-24 3-26 4-32 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-39 19-29 20-28
32-40 33-39

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20 33-38 33-34 34-35 35-36 36-37 37-38 40-41
40-45 41-42 42-43 43-44 44-45

exact/norm bonds :

4-32 7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14 18-39 32-40
33-39

exact bonds :

1-8 2-24 3-26 5-25 6-23 14-15 16-27 17-30 19-29 20-28

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20 33-38 33-34
34-35 35-36 36-37 37-38 40-41 40-45 41-42 42-43 43-44 44-45

G1:X,CH3,i-Bu,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
32:CLASS 33:CLASS 34:CLASS 35:Atom 36:Atom 37:Atom 38:Atom 39:CLASS 40:Atom
41:Atom 42:Atom 43:Atom 44:Atom 45:Atom

L4 STRUCTURE UPLOADED

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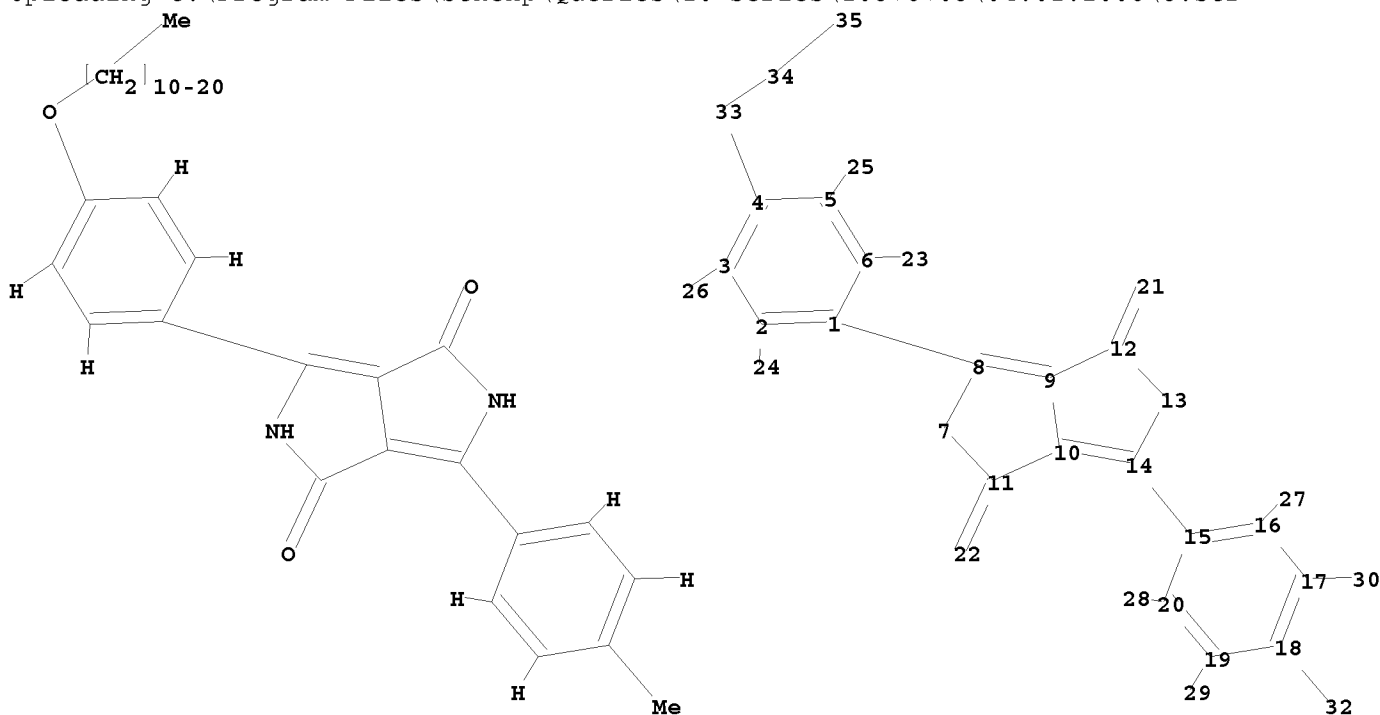
L4 HAS NO ANSWERS

L4 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

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chain nodes :

21 22 23 24 25 26 27 28 29 30 32 33 34 35

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

10/576,703 - Compound Search Review

chain bonds :

1-8 2-24 3-26 4-33 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-32 19-29 20-28
33-34 34-35

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20

exact/norm bonds :

4-33 7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14

exact bonds :

1-8 2-24 3-26 5-25 6-23 14-15 16-27 17-30 18-32 19-29 20-28 33-34 34-35

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

G1:X,CH3,i-Bu,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
32:CLASS 33:CLASS 34:CLASS 35:CLASS

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

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FULL SCREEN SEARCH COMPLETED - 2372 TO ITERATE

100.0% PROCESSED 2372 ITERATIONS 41 ANSWERS
SEARCH TIME: 00.00.01

L6 41 SEA SSS FUL L1

=> s l2 ful

FULL SEARCH INITIATED 13:57:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L7 2 SEA SSS FUL L2

=> s l3 ful

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FULL SCREEN SEARCH COMPLETED - 67 TO ITERATE

100.0% PROCESSED 67 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

10/576,703 - Compound Search Review

L8 1 SEA SSS FUL L3

=> s 14 ful

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FULL SCREEN SEARCH COMPLETED - 107 TO ITERATE

100.0% PROCESSED 107 ITERATIONS 11 ANSWERS
SEARCH TIME: 00.00.01

L9 11 SEA SSS FUL L4

=> s 15 ful

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FULL SCREEN SEARCH COMPLETED - 187 TO ITERATE

100.0% PROCESSED 187 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

L10 1 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	890.88	891.09

FILE 'CAPLUS' ENTERED AT 13:58:05 ON 01 APR 2008
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FILE LAST UPDATED: 31 Mar 2008 (20080331/ED)

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=> s 16

L11 928 L6

=> s 112

L12 NOT FOUND

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s 112

L12 NOT FOUND

The L-number entered has not been defined in this session, or it

has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

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L12          1 L7
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=> s 118
L18 NOT FOUND
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=> s 19
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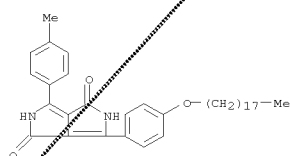
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10/576,703 - Compound Search Review

L15 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:71741 CAPLUS
DOCUMENT NUMBER: 148:169557
TITLE: Method of protecting organic material from light with pigments
INVENTOR(S): Hirschmuller, Isabel Annelies Marika; Zingg, Juerg
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 22pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: DATES No ODP (WO/EP).

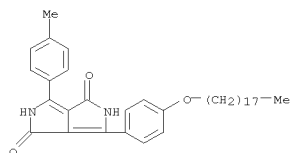
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WO 2008006722	A2	20080117	WO 2007-EP56816	20070702
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NG, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.: EP 2006-116900 A 20060710				
IT 850566-76-6 RL: TEM (Technical or engineered material use); USES (Uses) (pigment; method of protecting organic material from light with pigments)				
RN 850566-76-6 CAPLUS				
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3-(4-methylphenyl)-6-[4-(octadecyloxy)phenyl]- (CA INDEX NAME)				



L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:395400 CAPLUS
DOCUMENT NUMBER: 142:412928
TITLE: Heat-stable diketopyrrolopyrrole pigment mixtures for cosmetics
INVENTOR(S): Wallquist, Olof; Lenz, Roman; Feiler, Leonhard; Dueggeli, Mathias; Yousaf, Taher; De Keyser, Gerardus
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: INSTANT

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005040284	A1	20050506	WO 2004-EP52426	20041004
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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CA 2542519	A1	20050506	CA 2004-2542519	20041004
EP 1675916	A1	20060705	EP 2004-791138	20041004
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CN 1871309	A	20061129	CN 2004-80031296	20041004
BR 2004015831	A	20070102	BR 2004-15831	20041004
JP 2007514798	T	20070607	JP 2006-536078	20041004
US 20070028807	A1	20070208	US 2006-578435	20060419
MX 2006PA04377	A	20060614	MX 2006-128437	20060420
IN 2006CN01381	A	20070706	IN 2006-CN1381	20060421
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OTHER SOURCE(S): CASREACT 142:412928; MARPAT 142:412928				
IT 850566-76-6P RL: COS (Cosmetic use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses) (red pigment; production of heat-stable diketopyrrolopyrrole pigment mixts. for cosmetics)				
RN 850566-76-6 CAPLUS				
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3-(4-methylphenyl)-6-[4-(octadecyloxy)phenyl]- (CA INDEX NAME)				

L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

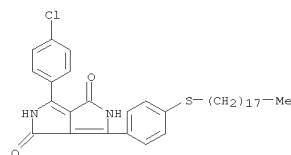
10/576,703 - Compound Search Review

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:395400 CAPLUS
DOCUMENT NUMBER: 142:412928
TITLE: Heat-stable diketopyrrolopyrrole pigment mixtures for cosmetics
INVENTOR(S): Wallquist, Olof; Lenz, Roman; Feiler, Leonhard; Dueggeli, Mathias; Yousaf, Taher; De Keyzer, Gerardus
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

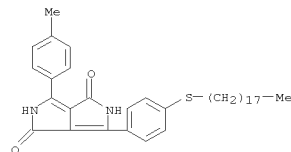
INSTANT

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004284235	A1	20050506	AU 2004-284235	20041004
CA 2542519	A1	20050506	CA 2004-2542519	20041004
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CN 1871309	A	20061129	CN 2004-80031296	20041004
BR 2004015831	A	20070102	BR 2004-15831	20041004
JP 2007514798	T	20070607	JP 2006-536078	20041004
US 20070028807	A1	20070208	US 2006-0214377	20060419
MX 2006PA04377	A	20060614	MX 2006-PA04377	20060420
IN 2006CN01381	A	20070706	IN 2006-CN1381	20060421
PRIORITY APPLN. INFO.:			CH 2003-1817	A 20031023
			WO 2004-EP52426	W 20041004
OTHER SOURCE(S):			CASREACT 142:412928; MARPAT 142:412928	
IT 850566-77-7P				
RL: COS (Cosmetic use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
(dark red pigment; production of heat-stable diketopyrrolopyrrole pigment mixts. for cosmetics)				
RN 850566-77-7 CAPLUS				
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 3-(4-chlorophenyl)-2,5-dihydro-6-[4-(octadecylthio)phenyl]- (CA INDEX NAME)				

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



IT 850566-72-2P
RL: COS (Cosmetic use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(red pigment; production of heat-stable diketopyrrolopyrrole pigment mixts. for cosmetics)
RN 850566-72-2 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3-(4-methylphenyl)-6-[4-(octadecylthio)phenyl]- (CA INDEX NAME)

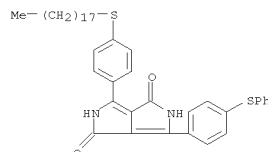


REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/576,703 - Compound Search Review

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:395400 CAPLUS
DOCUMENT NUMBER: 142:412928
TITLE: Heat-stable diketopyrrolopyrrole pigment mixtures for cosmetics
INVENTOR(S): Wallquist, Olof; Lenz, Roman; Feiler, Leonhard; Dueggeli, Mathias; Yousaf, Taher; De Keyzer, Gerardus
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: INSTANT

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

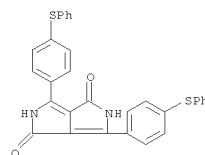
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005040284	A1	20050506	WO 2004-EP52426	20041004
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004284235	A1	20050506	AU 2004-284235	20041004
CA 2542519	A1	20050506	CA 2004-2542519	20041004
EP 1675916	A1	20060705	EP 2004-791138	20041004
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1871309	A	20061129	CN 2004-80031296	20041004
BR 2004015831	A	20070102	BR 2004-15831	20041004
JP 2007514798	T	20070607	JP 2004-456078	20041004
US 20070028807	A1	20070208	US 2006-576703	20060419
MX 2006PA04377	A	20060614	MX 2006-576703	20060420
IN 2006CN01381	A	20070706	IN 2006-CN1381	20060421
PRIORITY APPLN. INFO.:			CH 2003-1817	A 20031023
OTHER SOURCE(S):			WO 2004-EP52426	W 20041004
IT 850566-84-6P			CASREACT 142:412928; MARPAT 142:412928	
RL: COS (Cosmetic use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
(strong red dye; production of heat-stable diketopyrrolopyrrole pigment mixts. for cosmetics)				
RN 850566-84-6 CAPLUS				
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3-[4-(octadecylthio)phenyl]-6-[4-(phenylthio)phenyl]- (CA INDEX NAME)				

10/576,703 - Compound Search Review

L14 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:395400 CAPLUS
DOCUMENT NUMBER: 142:412928
TITLE: Heat-stable diketopyrrolopyrrole pigment mixtures for cosmetics
INVENTOR(S): Wallquist, Olof; Lenz, Roman; Feiler, Leonhard; Dueggeli, Mathias; Yousaf, Taher; De Keyser, Gerardus
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: **INSTANT**

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005040284	A1	20050506	WO 2004-EP52426	20041004
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004284235	A1	20050506	AU 2004-284235	20041004
CA 2542519	A1	20050506	CA 2004-2542519	20041004
EP 1675916	A1	20060705	EP 2004-791138	20041004
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1871309	A	20061129	CN 2004-80031296	20041004
BR 2004015831	A	20070102	BR 2004-15831	20041004
JP 2007514798	T	20070607	JP 2006-536078	20041004
US 20070028807	A1	20070208	2006-575512	20060419
MX 2006PA04377	A	20060614	2006-575512	20060420
IN 2006CN01381	A	20070706	IN 2006-CN1381	20060421
PRIORITY APPLN. INFO.:			CH 2003-1817	A 20031023
OTHER SOURCE(S):			WO 2004-EP52426	W 20041004
IT 646517-01-3P			MARPAT 142:412928	
RL: COS (Cosmetic use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
(strong red dye; production of heat-stable diketopyrrolopyrrole pigment mixts. for cosmetics)				
RN 646517-01-3 CAPLUS				
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(phenylthio)phenyl]- (CA INDEX NAME)				

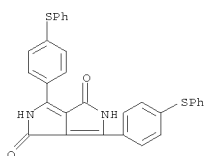
L14 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

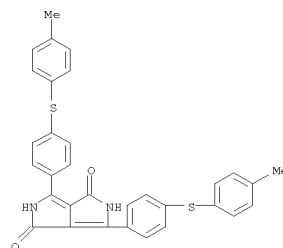
L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:395050 CAPLUS
DOCUMENT NUMBER: 142:435374
TITLE: Cosmetic formulations comprising diketodiphenyl pyrrolopyrrole pigments
INVENTOR(S): Wallquist, Olof
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 56 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: **Same assignee. Check ODP.**

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005039515	A1	20050506	WO 2004-EP52476	20041008
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1689358	A1	20060816	EP 2004-791178	20041008
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1867313	A	20061122	CN 2004-80030512	20041008
US 20070031358	A1	20070208	2006-575512	20060413
PRIORITY APPLN. INFO.:			EP 2003-103853	A 20031017
OTHER SOURCE(S):			WO 2004-EP52476	W 20041008
IT 646517-01-3 646517-03-5 646517-04-6				
646517-07-9 850740-16-8 850740-17-9				
850740-18-0 850740-53-3				
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)				
(cosmetic compns. comprising diketodiphenyl pyrrolopyrrole pigments)				
RN 646517-01-3 CAPLUS				
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(phenylthio)phenyl]- (CA INDEX NAME)				

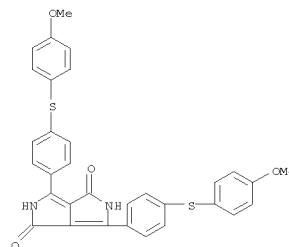


RN 646517-03-5 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-[(4-methylphenyl)thio]phenyl]- (CA INDEX NAME)

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 646517-04-6 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-[(4-methoxyphenyl)thio]phenyl]- (CA INDEX NAME)



RN 646517-07-9 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(phenylsulfonyl)phenyl]- (CA INDEX NAME)

Genus. Would require picking/choosing to arrive at instant species.

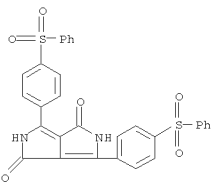
Also, instant Apps' mixture contains one other compound unmentioned

in 10/575,512. No ODP. No 102. No 103.

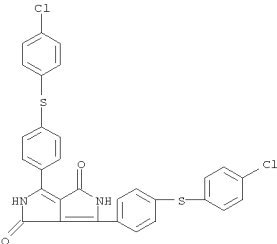
2 APR 2008

10/576,703 - Compound Search Review

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

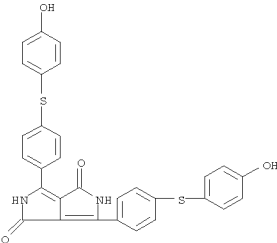


RN 850740-16-8 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis[4-[(4-chlorophenyl)thio]phenyl]-2,5-dihydro- (CA INDEX NAME)



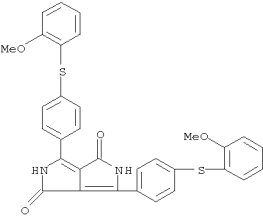
RN 850740-17-9 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-[(2-methoxyphenyl)thio]phenyl]- (CA INDEX NAME)

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

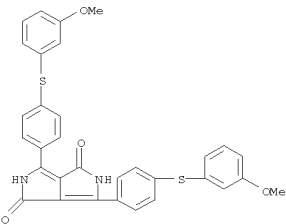


REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 850740-18-0 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-[(3-methoxyphenyl)thio]phenyl]- (CA INDEX NAME)



RN 850740-53-3 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-[(4-hydroxyphenyl)thio]phenyl]- (CA INDEX NAME)

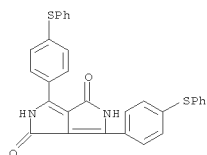
L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:60589 CAPLUS
DOCUMENT NUMBER: 140:112812
TITLE: High-molecular-weight polymeric materials comprising diketopyrrolopyrrole pigments for optical color filters
INVENTOR(S): Lenz, Roman; De Keyser, Gerardus; Wallquist, Olof; Yousaf, Taher
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: Same assignee. Check ODP.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004007604	A1	20040122	WO 2003-EP7336	20030708
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003250910	A1	20040202	AU 2003-250910	20030708
EP 1521802	A1	20050413	EP 2003-763745	20030708
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1668686	A	20050914	CN 2003-816786	20030708
JP 2005533143	T	20051104	JP 2004-520523	20030708
US 20050261402	A1	20051124	US 2005-521651	20050113
US 7279514	B2	20071009		
MX 2005PA00691	A	20050408	MX 2005-PA691	20050117
IN 2005CN00202	A	20070907	IN 2005-CN202	20050216
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S): MARPAT 140:112812				
IT 646517-01-3P 646517-02-4P 646517-03-5P				
646517-04-6P 646517-07-9P 646517-08-0P				
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)				
(pigment; high-mol.-weight polymeric materials comprising diketopyrrolopyrrole pigments for optical color filters)				
RN 646517-01-3 CAPLUS				
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(phenylthio)phenyl]- (CA INDEX NAME)				

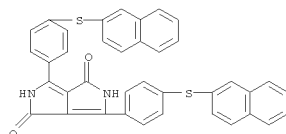
Genus disclosed. Encompasses one of the possible mixtures.
Makes no mention of the other component of the mixture
disclosed in the instant. Would require picking/choosing to
arrive at the encompassed component in the instant. No ODP.
No 102. No 103.

10/576,703 - Compound Search Review

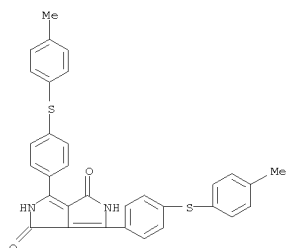
L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 646517-02-4 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(2-naphthalenylthio)phenyl]- (CA INDEX NAME)

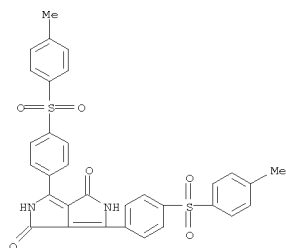


RN 646517-03-5 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-[(4-methylphenyl)thio]phenyl]- (CA INDEX NAME)



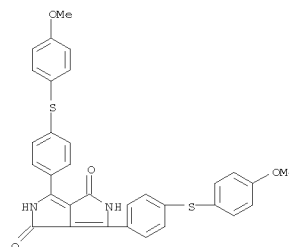
RN 646517-04-6 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-[(4-methoxyphenyl)thio]phenyl]- (CA INDEX NAME)

L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

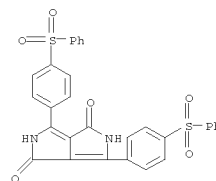


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



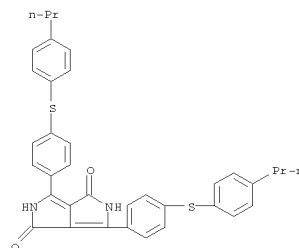
RN 646517-07-9 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(phenylsulfonyl)phenyl]- (CA INDEX NAME)



RN 646517-08-0 CAPLUS
CN Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-[(4-methylphenyl)sulfonyl]phenyl]- (CA INDEX NAME)

L14 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:228313 CAPLUS
DOCUMENT NUMBER: 134:273272
TITLE: Fluorescent diketopyrrolopyrroles
INVENTOR(S): Moretti, Robert; Hao, Zhimin; Yamamoto, Hiroshi
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: Eur. Pat. Appl., 28 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: Same assignee. Check ODP.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1087005	A1	20010328	EP 2000-810847	20000919
EP 1087005	B1	20040225		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TW 261064	B	20060901	TW 2000-89118230	20000906
US 6603020	B1	20030805	US 2000-735080	20000907
JP 2001097975	A	20010410	JP 2000-288313	20000922
KR 753348	B1	20070830	KR 2000-56659	20000927
US 20030187106	A1	20031002	US 2003-354602	20030130
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S): MARPAT 134:273272				
IT 331678-15-0P				
RL: IMP (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)				
(fluorescent diketopyrrolopyrrole derivs. and their preparation and use)				
RN 331678-15-0	CAPLUS			
CN	Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-[(4-propylphenyl)thio]phenyl]- (CA INDEX NAME)			



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

2 APR 2008

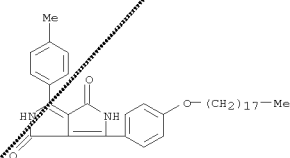
Same situation re genus disclosed rather than instant's species. No mention of one of the components of the instant's mixture. No ODP. No 102. No 103.

10/576,703 - Compound Search Review

L15 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2008:71741 CAPLUS
DOCUMENT NUMBER: 148:169557
TITLE: Method of protecting organic material from light with pigments
INVENTOR(S): Hirschmuller, Isabel Annelies Marika; Zingg, Juerg
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 22pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: Same assignee. No ODP:

EP/WO.

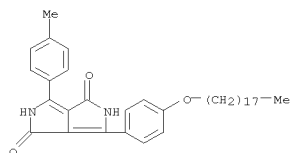
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008006722	A2	20080117	WO 2006-EP56616	20070702
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			EP 2006-116900	A 20060710
IT 850566-76-6				
RL:	TEM (Technical or engineered material use); USES (Uses) (pigment; method of protecting organic material from light with pigments)			
RN 850566-76-6 CAPLUS				
CN 850566-76-6 CAPLUS				
CN	Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3-(4-methylphenyl)-6-[4-(octadecyloxy)phenyl]- (CA INDEX NAME)			



L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:395400 CAPLUS
DOCUMENT NUMBER: 142:412928
TITLE: Heat-stable diketopyrrolopyrrole pigment mixtures for cosmetics
INVENTOR(S): Wallquist, Olof; Lenz, Roman; Feiler, Leonhard; Dueggeli, Mathias; Yousaf, Taher; De Keyser, Gerardus
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 54 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION: INSTANT

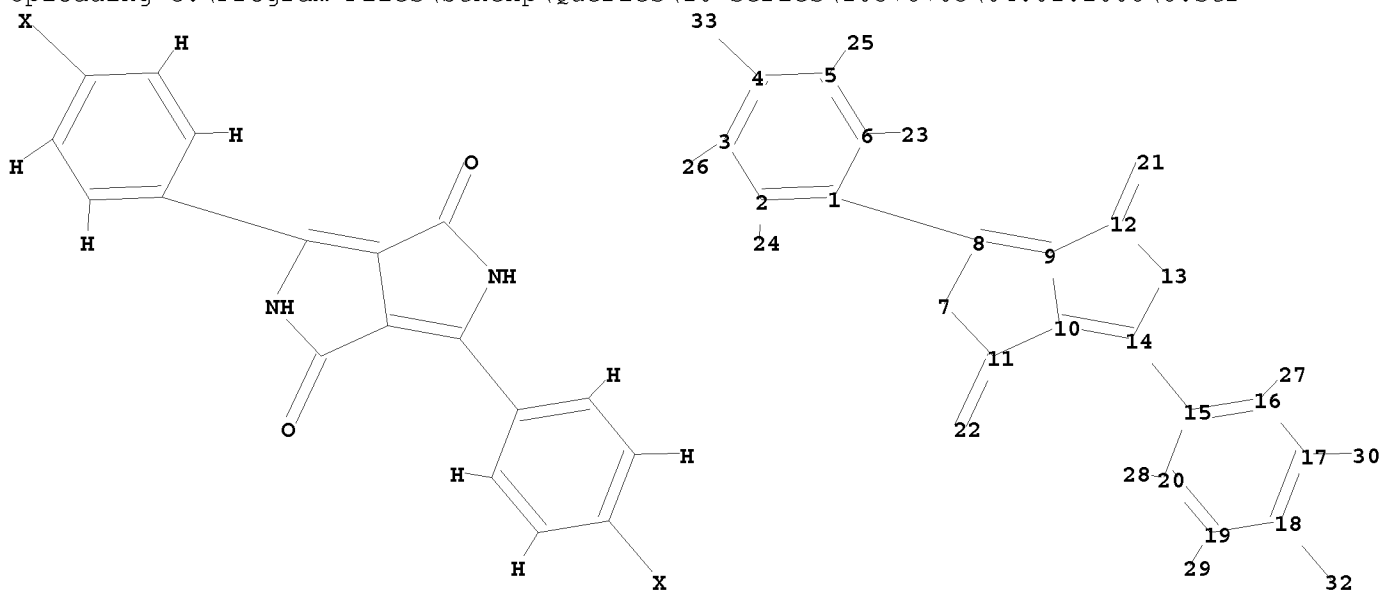
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WO 2005040284	A1	20050506	WO 2004-EP52426	20041004
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RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004284235	A1	20050506	AU 2004-284235	20041004
CA 2542519	A1	20050506	CA 2004-2542519	20041004
EP 1675916	A1	20060705	EP 2004-791138	20041004
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK			
CN 1871309	A	20061129	CN 2004-80031296	20041004
BR 2004015831	A	20070102	BR 2004-15831	20041004
JP 2007514798	T	20070607	JP 2006-576197	20041004
US 20070028807	A1	20070208	US 2006-576197	20060419
MX 2006PA04377	A	20060614	MX 2006-576197	20060420
IN 2006CN1381	A	20070706	IN 2006-CN1381	20060421
PRIORITY APPLN. INFO.:			CH 2003-1817	A 20031023
			WO 2004-EP52426	W 20041004
OTHER SOURCE(S):	CASREACT 142:412928; MARPAT 142:412928			
IT 850566-76-6P				
RL:	COS (Cosmetic use); IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses) (red pigment; production of heat-stable diketopyrrolopyrrole pigment mixts. for cosmetics)			
RN 850566-76-6 CAPLUS				
CN 850566-76-6 CAPLUS				
CN	Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3-(4-methylphenyl)-6-[4-(octadecyloxy)phenyl]- (CA INDEX NAME)			

L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
chain bonds :
1-8 2-24 3-26 4-33 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-32 19-29 20-28
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
15-16 15-20 16-17 17-18 18-19 19-20
exact/norm bonds :
7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14
exact bonds :
1-8 2-24 3-26 4-33 5-25 6-23 14-15 16-27 17-30 18-32 19-29 20-28
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

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G1:X,CH3,i-Bu,Et

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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
32:CLASS 33:CLASS

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L16 STRUCTURE UPLOADED

=> s l16
REGISTRY INITIATED

10/576,703 - Compound Search Review

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

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BATCH **COMPLETE**
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L18 2 L17

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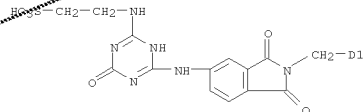
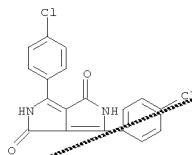
10/576,703 - Compound Search Review

L18 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2007:814281 CAPLUS
DOCUMENT NUMBER: 147:190949
TITLE: Pigment derivatives, pigment dispersants using them,
and pigment dispersions and water-thinned inks
containing them
INVENTOR(S): Kitamura, Kunji; Hisada, Kenji; Yoshinaga, Hideaki;
Tanihara, Junichi; Yatake, Masahiro; Hayashi, Hiroko;
Oki, Yasuhiro; Nagase, Makoto; Masuda, Motoki; Ito,
Atsushi; Tejima, Miho
PATENT ASSIGNEE(S): Sanyo Color Works, Ltd., Japan; Seiko Epson Corp.
SOURCE: Jpn. Kokai Tokkyo Koho, 33pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

DATES.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007186681	A	20070726	JP 2006-330188	20061207
PRIORITY APPLN. INFO.:			JP 2005-357177	A 20051216
OTHER SOURCE(S):	MARPAT	147:190949		
IT 944414-08-8P				
RL:	IMP (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)			
944414-08-8	CAPLUS			
RN	(pigment derivs. as dispersants for pigment dispersions and inks)			
CN	Ethanesulfonic acid, 2-[[[4-[[[2-[[[2-(chloro-5(or 2)-[4-(4-chlorophenyl)-2,3,5,6-tetrahydro-1H-dioxopyrrolo[3,4-c]pyrrol-1-yl]phenyl]methyl]-2,3-dihydro-1H-isoindol-5-yl]amino]-1,6-dihydro-6-oxo-1,3,5-triazin-2-yl]amino]-, compd. with 1-octadecanamine (1:1) (CA INDEX NAME)			
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CRN	944414-07-7			
CMF	C32 H22 C12 N8 O8 S			
CCI	IDS			

L18 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



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CRN 124-30-1
CMF C18 H39 N

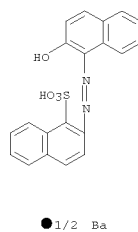
H2N-(CH2)17-Me

L18 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:8064 CAPLUS
DOCUMENT NUMBER: 130:67837
TITLE: Colorant blends containing a salt-forming azo pigment
and a 3,6-diaryl-1,4-diketo-pyrrolo(3,4-c)pyrrole for
polymer compositions such as paints
INVENTOR(S): Jaffe, Edward Ephraim; Delaney, James Martin
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

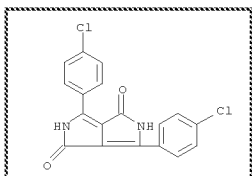
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9856859	A1	19981217	WO 1997-EP2991	19970609
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SE, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9730332	A	19981230	AU 1997-30332	19970609
EP 988344	A1	20000329	EP 1997-925067	19970609
EP 988344	B1	20020116		
R:	CH, DE, FR, GB, IT, LI, NL, SE, FI			
CN 1255154	A	20000531	CN 1997-182231	19970609
JP 2002503271	T	20020129	JP 1999-501355	19970609
PRIORITY APPLN. INFO.:			WO 1997-EP2991	A 19970609
OTHER SOURCE(S):	MARPAT	130:67837		
IT 218138-32-0				
RL:	MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)			
218138-32-0	CAPLUS			
RN	(colorant blends containing salt-forming azo pigments and diaryldiketopyrrolopyrrole opacifying pigments for polymer compns. such as paints)			
CN	1-Naphthalenesulfonic acid, 2-[[[2-(hydroxy-1-naphthalenyl)azo]-, barium salt (2:1), mxt. with 3,6-bis(4-chlorophenyl)-2,5-dihdropyrrolo[3,4-c]pyrrole-1,4-dione (9CI) (CA INDEX NAME)			
CM	1			
CRN	84632-65-5			
CMF	C18 H10 C12 N2 O2			

L18 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

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CMF C20 H14 N2 O4 S . 1/2 Ba

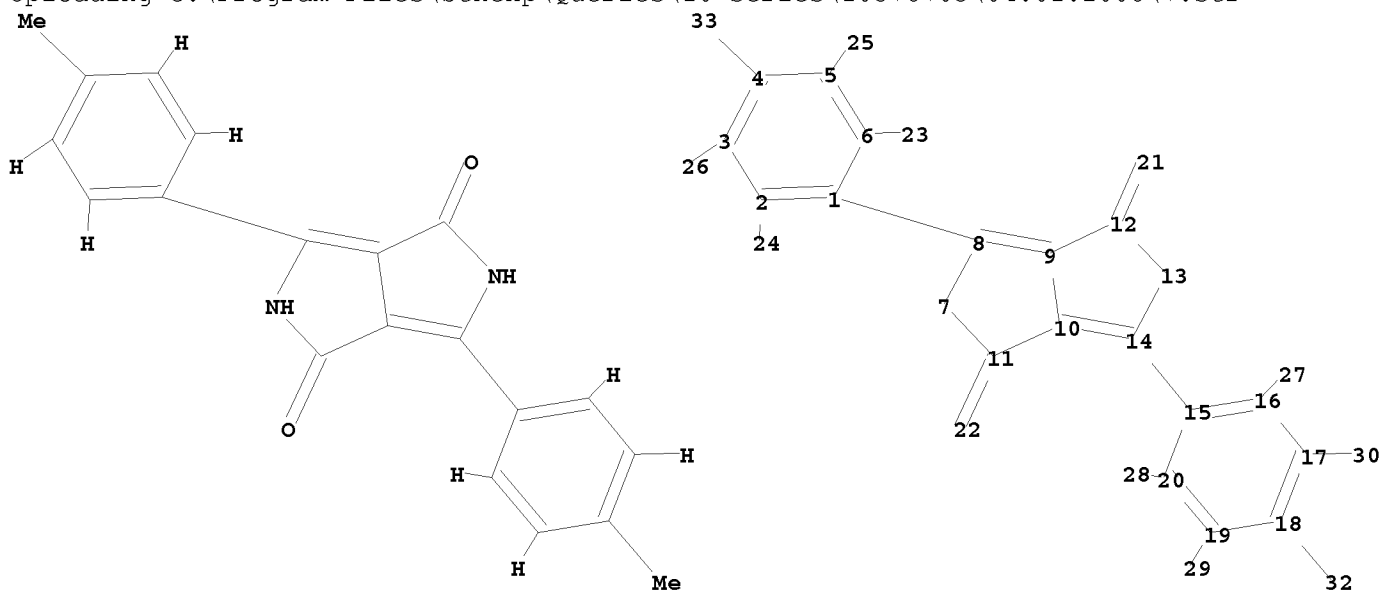


REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



2 APR 2008

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chain nodes :

21 22 23 24 25 26 27 28 29 30 32 33

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

chain bonds :

1-8 2-24 3-26 4-33 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-32 19-29 20-28

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 9-12 10-11 10-14 12-13 13-14
 15-16 15-20 16-17 17-18 18-19 19-20

exact/norm bonds :

7-8 7-11 8-9 9-10 9-12 10-11 10-14 11-22 12-13 12-21 13-14

exact bonds :

1-8 2-24 3-26 4-33 5-25 6-23 14-15 16-27 17-30 18-32 19-29 20-28

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

G1:X,CH3,i-Bu,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS
 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS
 32:CLASS 33:CLASS

L19 STRUCTURE UPLOADED

=> s l19

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
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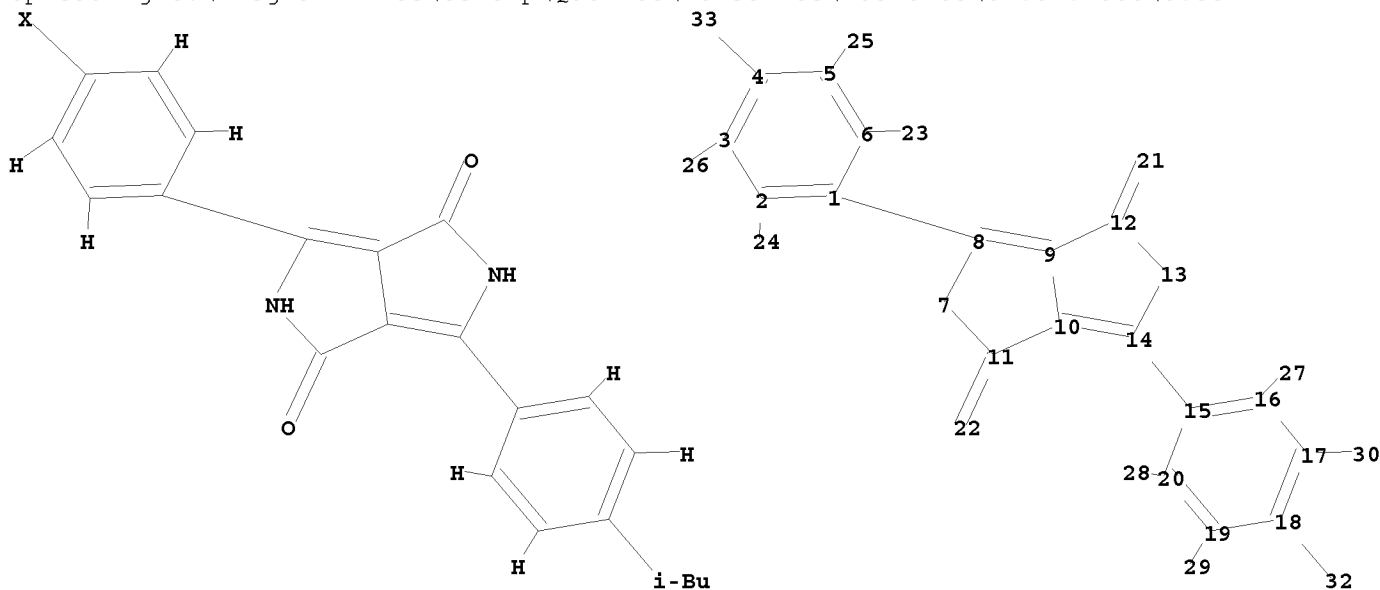
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 BATCH **COMPLETE**
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 PROJECTED ANSWERS: 0 TO 0

L20 0 SEA SSS SAM L19

L21 0 L20

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 ring nodes :
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
 chain bonds :
 1-8 2-24 3-26 4-33 5-25 6-23 11-22 12-21 14-15 16-27 17-30 18-32 19-29 20-28
 ring bonds :
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